Component: Header [header Component) content (content component) left menu compond) Footer (Component) - Component is a basic building block of angular - The component encaperalates the data, html and a logic for a view - You can execute in number of component in the project - Component in other world is a simple type sist class which contains template, style & typesoript class. - The component contains meto-docto like template unl, style unl & animation effect.

- Creating component through terminal

ng g c student

component name.

ng stands for Angular

g stands for generate

c stands for Component

Intheneum un execute a component through

terminal it executes 4 files

3. Student component css 2 student component html 3. Student component spects 4 student component to 5. updates app. module ts.

Whever the component is exected it will be registered in app. module to in the declaration declarations: ¿ Applomponent, Student Component along with that the student component is imported by default. import ? Student Component & from '. /student/ student component; index. html <html> thead t/head> <body> </app-month | app.component will be activated. capp-gootx </body> </html> APP Component ts app-component. html < h1> Welcome to Angular @ Component 18 </h1> selecton: app-noct' <h5> We are for app-comp. template Unl: 'lapp. component. html' <app-student > <appstyle Unls: [. 1app component css'] students <h17 and of app expont class Applompenents component < /h1> title = 'APP1'; app-component-css {
 colon: ned;
}

```
student component ts
 Import & Component, On Init's from 'Qungular/cone's
 @ Component ( ?
     selection: 'app-student',
      template Un1: '. Istudent component html';
      Style Unis: ['. Istudent-Component-css']
  export class studentComponent implements On Init
       Construction()
       ngOn Init(): Void ? 3
  student component html
    > Student works >
Dutput:-
        Welcome to first angular app
        Good Monning
        We are in app. component. html
        student works! -> student component.
        end of the app component
```

Example: External styling. index. html < body> Kapp-root > Lapproot> </body> appicomponentics app-component html h1 ? colon: **M**ed < h1> APP Component </h1> Kapp-student> Kapp-student> student component css Student-component. html <h1> W are inserting in Colons gneen Student component Home 4/h1> Student works 6 Dutput:app component text <- we are insenting in student component html colon green student works o Deconations: - Deconations are feature of typescript and are implemented as functions. - Decoration stants with a - Deconators are simple functions. These functions supply meta-data to angular (class, property, - Decomatory are invoked at nun-time - It allows you to execute functions.

Type of Decorators

Decorators claus Decorate Property Decoration method Decorator @ component @ Proput @ NgModul Claus Deconation: - @NgModule ({}) is present in module-ts - @ Component (93) is present in component to

- NgModule ex: app module ts Component ex: app. component . to

Ynopesty Decoration: @ input. @ output.

Method Deconations

@ thstlistener: - It is a method deconation which listens to the response of the host.

app-component-ts @ Host Listener ('click', [\$event'])

onhost click (event: Event)

alent ("-Good Afternoon")

consolilog (event) On Consoli scrien:

Good Afternoon Mouse Eurn fis Trusted: true,

SOUM # : 312 SCHENY: 19,]

App Component

0/p: -

Execution related to typewipt file i.e., madule and component Endex. html < body> capp-noct >2/app-noot> </body> app. module ts expont class AppModule construction () consolitog l'uliare from moduli + s fili) app-component-ts import (Component) from 'Conquian/cox'; @ Component (8 export class Applomponent continuedon () console log ("un ou from component to file) Butput:-Console sureen Browser Souen hello un au En module App Component. ts file hello un au in component ts fell

- Inle have to create a service the command is
- It will be executing two files

 CREATE sociapp/myser service spects

 CREATE snc/app/myser service is
- whenever you create a service it has to be registered in the providers. Once it is negistered in the providers it has to be imported.